

**APPARATUS AND METHOD FOR
REDUCING PROPAGATION DELAY IN A CONDUCTOR**

ABSTRACT

An apparatus and method is provided that reduces the propagation delay in a conductor carrying an electrical signal from a first area of a circuit to a second area of the circuit. The conductor is fabricated to include a first conductor extending from the first area to the second area. The conductor also includes a second conductor extending substantially parallel and along the first conductor and electrically connected to the first conductor. A third and additional conductors may also be used which extend substantially parallel and along the first conductor and are electrically connected to the first conductor. The additional second conductor (and any additional conductors) reduces the capacitance of the conductor thereby reducing the propagation delay in the conductor (increasing the speed of the signal). The additional conductor(s) effectively "shield" the first conductor from some capacitance that the first conductor would normally "see" without the use of such additional conductors.